NO 52.

FARMING DOCTRINE cereal crops that would give a fair return to the grower. This

at Dry Farm Congress

en Consideration and Trial by Local Farmers--- grown on the summer fallow, and hods That Promise Success---The Equipment, therefore, no moisture is taken

mportant as these are, nto comparative insig-

noisture that falls during growth successful.

of all other material in- beans and field roots, of these obtained. combined. The advocates corn fodder is unquestionably the trying to further.

methods that are rich in crop.

nusual drought, and that the crop of the next season. will not follow on every third is flax. The flax crop can fied.

plants. is beyond all comparison cared for, it would seem reasonst important for the rea- able to suppose that lands devot- He should rather devote his enerest, that is the surest crop ed to the growing of a cultivated n be grown; and second, crop could also be followed by

conclusion is based on the fact that as far as concerns the cultivation of the soil, the process is employed when cultivating the summer fallow. In both instances the cultivation will be clean or at least it ought to be, and in HODS USED, CROPS GROWN both cases the soil is starred with no little frequency. Thus far, ENGINEER APPLYS FOR 27 MILES therefore, the two processes are almost identical.

But there is a marked differfrom the soil in that way. A crop is grown in the other instance, and while it is being nes-Herald has received that it is of the highest money grown, it is so far taking moistext of Prof. Thomas value, because of the large yields ture out of the soil. How much looks more promising than ever corps of the United States army, ddress given before the obtained. The yields obtained moisture will thus be taken will before. A few days ago Con-although its head will continue to the Capital City November 28, ing congress at Spokane from winter wheat properly depend somewhat on the nature struction Engineer D. H. Ashton, be the secretary of the interior, and prints a portion of grown have in some instances of the crop. It follows, there- of the local construction office, it is said. gone beyond 60 bushels per acre. fore, that after a cultivated crop sent into headquarters of the According to the story received oblem of dry farming is The average yield is not less than there will be less moisture left Oregon Short Line system at Salt here from Washington, the matpeople of the West to- nomenally large yields of winter fallow. The opponents of this construction of an extension of Ballinger on Oct. 27 took it up magnitude it exceeds all wheat are due; first, to the elemagnitude it exceeds all ments in the soil; second, to the that because they take moisture from Vale on west, says the Vale and it is said that the president on with it the mining in- maturing of the wheat before it from the soil while they are be- Enterprise. is impaired by drought, and ing grown, in the semi-arid This matter will be taken up with those of Ballinger regarding third, to the powers that inheres country, there will not be enough shortly at the directors' meeting "what ought to be done." The problem of irri- in winter wheat. Durum wheat left to assure a fair crop of grain along with other proposed extenone of great signifi- next to winter wheat is probably coming after a cultivated crop.

that can be grown. The durum will be alfalfa. The farmer in month the stockholders of the as to the plans under considerathan two per cent. of variety is mentioned because it the dry country must depend Oregon Short Line voted an in- tion, it is averred. id land in the West can can unquestionably endure more more on alfalfa for hay than any crease of \$72.500,000 to the road's Many thousands of dollars an ht under irrigation. All drought than any other varieties other crop. Happily it can be capital stock, making a total capmaining portion, exclud- of spring wheat, including fife. grown and successfully in all or italization of \$100,000,000. It is as a result of this reorganization, areas, must be made The third crop is flax. This bet- nearly all the bench land country the plans of the Short Line according to Secretary Ballinger's that is susceptible of cultivation. people to use a large part of this ideas, as considerable duplication n at all on the methods ed to spring breaking as has al- On our demonstration farms in money in the construction of the will be done away with. applicable to what is ready been shown. The other Montata, the failure to get a proposed extension from Vale denominated dry spring crops that have proved stand of alfalfa were fewer than across the state. successful are spelz, white hul- with any other crop. In nearly When asked whether he gineer placed in his position as Conservation Congress less barley and oats. Spelts is every instance the crop was thought the application for the chief of the reclamation service, held at St. Paul, many probably equal to durum wheat grown on spring-plowed land. In extension would be granted, speculation finds great opportunt features were dwelt in its ability to withstand nearly every instance, the crop Engineer Ashton only smiled and ity to whet itself on the query as the various speakers, drought, and it yields well. The came up and grew successfully, replied that he was not allowed to the identity of the army engimost important subject same may be said of white hul- In some instances where there to say. But the smile was one of neer who is to be given the job. rvation was never once less barley. Both spelts and was not enough of moisture to satisfaction and easily a reply It is practically certain that Preservation was never once less barley. Both spelts and was not enough of moisture to satisfaction and easily a reply lit is practically certain that Prespondent that Prespondent to the reference here white hulless barley mature early start the seed, it came up weeks that everything was most favorable for the beginning of containing the struction work on the Harriman as best fitted for the office, and it that everything was most favorable for the beginning of containing that the seed, it came up weeks that everything was most favorable for the beginning of containing the struction work on the Harriman as best fitted for the office, and it there express by the dry weather across by the dry may be spoken of as the other crops by the dry weather spring gave two cuttings to the trans-Oregon line in the spring is generally believed that Ballin- at Vancouver, B. C. The same tion of the precipitation that usually accompanies the ma- lower ground, the rainfall was from this point. It was also ger will pick his man from the exhibit won third prize in the Ils upon the semi-arid turing of the grain. The oat but 3.95 inches from April 1st to gathered that as soon as the 27uring what may proper- crop also may be successfully September 1st. The land was mile extension was completed engineers that was appointed many exhibits entered by Canaominated the period of grown, but not so easily as the spring plowed. At Chester al- further appropriations would be early this year to examine and dian apple growers and those of wth, that is, a period other crops named, as it stools faifa sown late in May, has given made to carry on the road across report on government irrigation Northwest states. This showing th, that is, a period other crops named, as it stools falfa sown late in May, has given made to carry on the road across projects with a view to ascertainis a splendid one and indicates the months of April, more than these and calls for a splendid stand on some new the state to meet the Deschutes projects with a view to ascertainis a splendid one and indicates a me and July. The value more moisture to make the fallowed land. From one to one line. nonths if properly con- The cultivated crops that may per acre per year, and in moist sence in Vale this week of Right- the \$20,000,000 from the bond is- kane, as well as at the Portland

farming then may well most valuable and important. It the way for what is to be said who secures and closes all titles rage, when they think of is valuable because it will furnish regarding rotation. It will be to right-of-way wherever the mitude of the work which fodder to the farmer which is so clearly apparent, therefrom that Short Line is to build extensions. ing to open to homestead entry ing between the buying and sella part of the land should be fal- has been working on right-of- a number of fertile, though timing public. There are between much needed in dry areas. It discussion of this great will furnish more fodder than any lowed every year, that a part way here and put in the past few bered valleys, within the forest 4,000 and 5,000 persons engaged the plan followed, will other crop that can be grown. It will be devoted to cultivated days among the record books in reserves of the Northwest, says in selling real estate in Oregon outline as follows: (1) is valuable because the only limiof dry farming the suc- tations that may be set to its devoted to the growing of alfalfa which have been proved; growth are the needs of the far- and pasture. The most profita- right-of-ways are being closed tion will not be eliminated from machine for advancing the interthods that are likely to mer and his ability to utilize the ble rotation will grow winter very satisfactorily in many cases the reserves, but will be listed ests of realty men throughout wheat and on the summer-fallow- but that a few ranchers are bound for entry under the act of June the state, as well as aiding the but have not been fully The experience of the past sea- ed land and spring crops on the to obstruct railroad construction 11, 1906, which permits the development of the whole com-(4) the crops that may son has confirmed the view, that cultivated land. Cultivated crops by demanding exhorbitant prices homesteading of agricultural monwealth. on under dry conditions; it is hazardous to try to grow a will be grown after winter wheat, for their right-of-way. He has lands within forest reserves. As ation that should be fel- crop of grain on the bench lands the ground being plowed in the almost come to the conclusion soon as some plan is devised to and (6) the equipment of of Montana when these have fall, the summer fallow will fol- that ranchers in this vicinity are make sure that these timbered ner during the first sea- been plowed in the spring low the spring cereals. By this not in favor of railroads. m he locates upon his and the crops sown the same system two crops can be grown These phases of the work season. If the season should in three years, whenever it is CHANGE IN RECLAMATION SERVICE. tlers who intend to make their harbor for the lumber required, discussed in the order prove moist a good crop may re- possible to grow cultivated crops sult, but if it should prove very with reasonable success. The been proved beyond the dry it will assuredly fail, and the alfalfa will furnish a crop more ation circles over the rumor that the lands on the market so to of a doubt, that good failure may be complete. The or less every year, and after a reorganization of that service speak. f wheat, rye, barley, growing of crops thus in the dry time this land may be broken with a view to greater efficiency Henry S. Graves, who succeedpats and peas can be grown country, is in a sense a sort of and cultivated. The alfalfa will and greater economy has been ed Gifford Pinchot as Forester, She will be of 45,000 tons gross mer-fallowed land, pro- gamble. There is always an renew the land not only by en- begun by Secretary of the Inte- is responsible for this new move the work of summer-fal- element of uncertainty in it riching it but also by supplying rior Richard A. Ballinger. This and is the first official of the the land has been properly which should not be risked. The it with humus every few years, story originated evidently in Forest Service who have been It has also been proved season cannot be forecasted, the alfalfa would be grown on Washington and its significance willing to permit settlement on sonably good crops can whence the wisdom of preparing a different portion of the farm, has created quite a stir in officialon on such land in a sea- the land the previous year for but a change should not be made dom, particularly among the en- ed with merchantable timber. until a stand had been secured gineers connected with the irri- Mr. Graves has found, as a rerge yeilds may be obtained If, however the farmer feels on other land. The proportion gation projects being built by suit of his travels in the west ason when the rainfall is that he must incur the hazard, of the cultivated land growing Uncle Sam, says the Boise Statesan normal. These results some crops may be grown more crops should about equal that of man. ollowed such preparation surely than others in a dry sea- the summer-fallowed land, to and so uniformly that they son. One of these is durum properly carry out this rotation, short time Frederick H. Newell, ains, which could be turned into tures are being planned and be doubted any longer. wheat, a second is spelts, and a but of course this may be modi-director of the reclamation ser-profitable farms if cleared of

that it is much more diffispring plowed land than any will be very evident that a man determined to bring this branch agriculture, and such lands he a rule to grow a crop in other. But when the attempt is that settles on bench land in the of the interior department under proposes shall be placed under Job printing—The Times-Herald ence of irrigation in the made to grow it thus, it should spring and breaks up sod land ands beside the streams be sown early. It should be with the expectation that he will the bench lands above sown on a well prepared bed and get a crop, may be sorely disap-This is owing to the more judiciously harrowed at the right pointed. His crops may almost aracter of the subsoil in stage in the growth of the completely fail. In the autumn he may be left without any supcrops that may be success- While it is an assured fact that port. In the spring he should own in the dry farming a cerial crop on the bench will break up land and he should conhay be divided into three give at least a fair return after tinue breaking as long as the They are (1) cereals, summer-fallow properly manag- work can be done with a reasontivated crops and (3) al- ed, provided the crop has been able amount of labor and ex-Among the cereals winter sown in season and properly pense. But he should not try to grow a large area of spring crop.

(Continued on page 4)

EXTENDRAILROAD WEST cultivation. He is an

rpts of Prof. Shaw's Address not greatly different from that Toward This Valley From Vale says and not to timber companies or The Malheur Enterprise

Very Practical Suggestions That Should be ence in one respect, no crop is Construction Engineer Puts in Application to O. S. L Directors Who are Said to be Favorable---Would Mean Building of Harriman Trans-Oregon Line.

sions to be made early next year, part in the conference and the and yet when irrigation the most important money crop. The great reliance for forage It will be remembered that last president was given a clear idea

is worth more than the be grown are corn, potatoes, seasons even larger crops will be of-way Agent H. B. Thompson sue passed by the last congress. apple show. of the O. S. L. headquarters at

W. T. LESTER.

Railroad building at this time, the jurisdiction of the engineers

expressed views that coincided

With the rumor that Newell is

to be removed, and an army en-

the Oregonian's Washington cor- and it is thought an association Mr. Thompson states that respondent. The lands in ques- would be an highly effective valley lands will fall exclusively into the hands of bona fide setpermanent residence in the re-Gossip is rife in local reclam- serves, steps will be taken to get

great many valleys, following will not follow on every land. Experience has at it is much more diffiat it is much more diffispring plowed land than any will be very evident that a man determined to be spring third is flax. The flax crop can fied.

From what has been said it an army engineer. It has been timbered, is more valuable for being this beauty of the kind heretofore held.

bered valleys are opened, to have the lands and the timber go to the permanent homesteaders, to speculators. On this bottom land is more than enough timber to meet all the demands of the homesteader; enough, in most instances, to net him a handsome profit, after paying the expense of clearing. But this profit is not begrudged the homesteader, if he acts in goo I faith.

INDUSTRIAL NOTES.

(Portland Correspondence.) Salem will play host to the con-

vention of the Oregon Development League, which will be held 29 and 30. Invitations are being prepared by Secretary Chapman of the League and will be sent out soon to the various Ore-

The coming meeting promises to be attended by a large number of delegates from every part of the state. The Oregon development League has accomplished a great deal in bringing the different sections of the state to realize the common interest that binds them all together and this splendid organization promises to accomplish much more in advancing the interests of the commonwealth as a whole.

A program that offers much of interest has been arranged. Salem people are going to hand out a brand of hospitality unsurpassed anywhere for the enjoyment of delegates in attendance. A big banquet will be the closing feature of the session. Automobile rides and visits to state institutions are planned.

Medford scored during the past week when a car of yellow and one-half tons may be grown All this is verified by the pre- worthy of receiving a share of offer keen competition at Spo-

Real estate men of the state What has been said, prepares Salt Lake City. Mr. Thompson, LANDS IN FORESTS WILL BE OPENED plan a federation whose objects are to protect the members and The Forest service is prepar- bring about a better understand-

Oregon fir will be used for the decks of the world's largest steamship, the keel for which has been laid at Stettin, Germany. The ship Omega has reached the which is 2,000,000 feet. The new liner will be operated between America and Europe by

the Hamburg-American line and will have a speed of 22 knots. register, with a length of 880 feet, beam 96 feet, and will have accommodations for 5,000 pass-

Dates of the Fifth Annual Rose Festival have been fixed by the management for the week beginning June 5, 1911. Next year's Festival, say the officials, will be the most splendid in the It is rumored that within a streams heading in the mount- history of the city. New feanext year's show will undoubted-

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